What is claimed is:

1	1. A method of streaming media to a client comprising:
2	receiving a request from a client for a media stream;
3	computing a receiving procedure for the client;
4	transmitting the receiving procedure to the client;
5	initiating a first multicast stream such that the client can utilize the
6	receiving procedure to receive a first portion of the media stream from the first
7	multicast stream and a second portion of the media stream from a second
8	multicast stream.
1 2	2. The invention of claim 1 wherein the client can further utilize the receiving procedure to receive a third portion of the media stream from a third
3	multicast stream.
1 2	3. The invention of claim 1 wherein the receiving procedure is computed after a step of computing a merge tree incorporating the request from the client.
312	4. The invention of claim 3 wherein the merge tree is a Fibonacci merge tree.
1 2	5. A method of streaming media to a plurality of clients comprising:
3	receiving reservation requests for a media stream from a plurality
4	of clients;
5	constructing a merge tree based on the reservation requests;
6	scheduling a plurality of multicast transmissions of the media
7	stream based on the merge tree.
1	6. The invention of claim 5 wherein the merge tree is constructed
2	to minimize the cost of the merge tree

1	7. The invention of claim 6 wherein the merge tree is a Fibonacci
2	merge tree.
1	8. The invention of claim 5 wherein the merge tree is constructed
2	to minimize the cost of a forest of merge trees further comprising the merge tree.
1	9. A method of streaming media to a plurality of clients
2	comprising:
3	constructing a merge tree based on anticipated requests for a media
4	stream;
5	scheduling a plurality of multicast transmissions of the media
6	stream based on the merge tree.
1	10. The invention of claim 9 wherein the anticipated requests for
2	the media stream are scheduled to arrive at every time unit.
1	11. The invention of claim 10 wherein the merge tree is a
2	Fibonacci merge tree.
1	12. The invention of claim 9 wherein the merge tree is a static
2	merge tree with a fixed number of nodes.
1	13. A method of streaming media to a client comprising:
2	receiving a request from a client for a media stream;
3	taking a first merge tree further comprising a right frontier and
4	constructing a second merge tree which incorporates the request into the right
5	frontier of the first merge tree; and
6	scheduling a plurality of multicast transmissions of the media
7	stream, including a multicast transmission to the client, based on the second
8	merge tree.
1	14. The invention of claim 13 wherein the second merge tree is
2	constructed to minimize an incremental merge cost.

1	15. The invention of claim 13 wherein the second merge tree is
2	constructed such that the request is represented as a node of a parent node in the
3	first merge tree closest to the node.
1	16. The invention of claim 13 wherein the second merge tree is an infinite merge tree.
1	17. The invention of claim 16 wherein the infinite merge tree is an
2	infinite Fibonacci merge tree.
1 2	18. A machine-readable medium comprising executable program instructions for performing a method on a computer comprising the steps of:
- 3	transmitting a request for a media stream to a server;
4	obtaining a receiving procedure from the server;
5	in accordance with instructions in the receiving procedure,
6	receiving and buffering a first portion of the media stream from a first multicast
7	channel while receiving and buffering a second portion of the media stream from
8	a second multicast channel.